

# Application Note:

Guide for Converting Ethernet Applications from 2572 / 2572-A / 2572-B to 2500P-ECC1

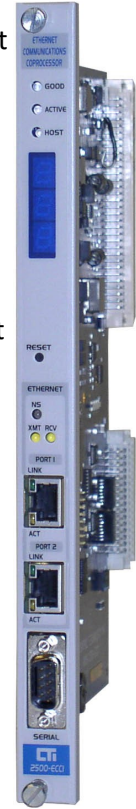
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 Gct G G ZG G ct G Z Z fft  
 Z ct Z G ct G Dfft  
 G G G ZG G GZ ct Q ZQ  
 ZG zct ct cft Z G ct zfft Z QGct Z ct  
 G Z G Z G ct ct ct  
 G Gct G Gct Gct ctz D G  
 ct

G G ZG Z zct Gct G G ZG ct  
 G Z zct D Gct G Gct Gct ct G ZQ  
 Z G ct ZZG fft Z Z ct fft ZQ G  
 Gct ZQ Z zct ct G G Gct  
 Gct G G Z Gct G ZG  
 Z zct Z Z G G Z G

G G Z Gct G G Gct Gct  
 Q ct GG G ZG Z ct zct G DG GGZ G Z G  
 Z G ct ZQ Q GZct fft G ZG Gct Q ZQ ct  
 D G zct ZQ QG Z G Z ZQ G  
 Z G G Gct Gct G Z G Gct Gct  
 zct G Gct G G Z Z Q DG Gct G  
 ZQ G ct G Z ct Z G ct ct G G  
 G Gct Gct Z Z G Z GZ fft  
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GZ G Gct G G G Gct Gct G ct G  
 G Z ZG Z G G G G ZG ZG G Gct ct ct  
 Z Q DG ct G Gct Z ct ct ct G G G  
 Gct zct Q G G Gct ct ct zct  
 G GZ Z G ZG ct G ZQ G zct Z QG fft

GZ ct ct ct D ct Z DG ct Gct Z G Z G ct  
 Z G Gct Q ctz G G Z G ZG G Gct ct ctz G G  
 Z fftz G G Gct ct ct Z ZQ Z G Z Gct Z G  
 G Z G G G ZG G Gct Z DG QG G ctz Q Q ZG Gct fft  
 G Gct ct G ZQ Z zct ct



- G G
- ZG
- D ct G G
- D ct ZG
- G ZQG

ctzQ ct G Z Q Z Q fft z ctG G ct DG ct  
 Z Gctoz G Gfft G G Z Q Z ctct G Z G DG  
 G fft G Z G D G G G ct  
 G G GZ Z ffdG G Z ctG G Dfft zctG ZQ G G G  
 Z G ZG ZG

G D G DG Gct G D Gct G GG ct

| Feature                                    | 2500P-ECC1       | 2572 Ethernet Module | 2572-A/B Ethernet Module |
|--|------------------|----------------------|--------------------------|
| 100Mbit ethernet                           | yes              | no                   | yes                      |
| TCP communications                         | yes              | yes                  | yes                      |
| UDP communications                         | yes              | yes                  | yes                      |
| DHCP for IP address assignment             | no               | no                   | yes (2572-A)             |
| Modbus-TCP                                 | yes              | no                   | yes                      |
| Ethernet-IP (communicate to ControlLogix®) | no               | no                   | yes                      |
| Send/Receive (communicate to S7®)          | no               | yes                  | no                       |
| Multicast                                  | yes              | no                   | yes                      |
| Datashare                                  | no               | yes                  | no                       |
| Peer-Peer communications                   | client/server    | client/server        | client/server            |
| Communicates with CTI OPC/DDE servers      | yes              | yes                  | yes                      |
| Port configuration using PLC logic         | no               | yes                  | yes                      |
| Email                                      | no               | yes                  | no                       |
| Webserver for diagnostics                  | yes              | no                   | yes                      |
| Number of TCP connections                  | see note 1 below | 16                   | see note 2 below         |
| Compatible with Siemens® CPUs              | no               | yes                  | yes                      |

**Note 1—2500P-ECC1 Maximum Ethernet Connections**

- CAMP Server—16 TCP + UDP
- CAMP Client—16 (total of TCP and UDP)
- Modbus Server—16 TCP only
- Modbus Client/Master—64 (total of TCP and UDP)
- Network Data Exchange Publisher—20 TCP
- Network Data Exchange Subscriber—20 TCP

**Note 2—2572A Maximum Ethernet Connections**

CAMP Server—24 TCP + UDP  
 CAMP Client—8 (total of TCP and UDP)  
 Ethernet/IP Server—8 connections  
 Modbus Server—8 connections

GZ Z G ZQG ct ZQ zct  
 GG G G G Z Z ct zct G

fft z ct G ZZG fft ctzQ  
 GZ G ct Q G G GZ Z Z fft G Q G  
 G Z G ct G G Z Q z ctG ctct fft G D  
 GZ DG G ct G ctct Z Z G Z G zct Z Z  
 G Z G

fft ct D ct Z G GZ G ct Q  
 G G GZ Z Z fft G Q G G Z G ZGG  
 Z Q G G D ct ct G Z Z D ct D Gct  
 G G fft ctct ct Gct DG Z G Z G zct Z Z  
 G Z G

fft z ctct GG GG Z zctDG GGZ ct GZ G ZG  
 G ctfft Gct GZ ct G G  
 ZQG Z ZQG ZGG Q G G G Z zctct  
 ct fft Q Z DG G G ct DG G GZ  
 ct G G zct ctzQ ct Z G Gctz Q GG  
 G Z G zct Z Z G Z G fft GG ct G  
 ZQG ct G Z G Z QGct "G G Z Z fft  
 Z Z G G G Z Z

fft z ctct G " ct" G G ct GG GG  
 Z zct G ct ctct G ctzQ GZ Z ct G Z  
 ct zctGZ DG GG G Z Z G  
 zct Z Z G Z G G G G ct

fft z ctct Z G G  
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 G Z Z G Z Z ctzQ GZ D ct Z G  
 GD ct G G Z Z

fft z ctct G "G " G G ct ctz ct G Z  
 ZGG DG ct G Z Z G fft ct G Z ctctG ct  
 ct G GZ GZ GctQ ZQ Z ZQG

fft z ctct z " G" ctz z Gct z ct  
 G ct G fft ZGG Z Q G G Gct Z G GG  
 G Z G zct Z Z G Z G



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